Dr Khursheed Badruddin Ansari

List of Publications by Year
in descending order

26 papers	535 citations	840119 11 h-index	676716 22 g-index
26 all docs	26 docs citations	26 times ranked	634 citing authors

#	Article	IF	Citations
1	Fast Pyrolysis of Cellulose, Hemicellulose, and Lignin: Effect of Operating Temperature on Bio-oil Yield and Composition and Insights into the Intrinsic Pyrolysis Chemistry. Industrial & Engineering Chemistry Research, 2019, 58, 15838-15852.	1.8	107
2	Co-pyrolysis of biomass and plastic wastes: A review on reactants synergy, catalyst impact, process parameter, hydrocarbon fuel potential, COVID-19. Journal of Environmental Chemical Engineering, 2021, 9, 106436.	3.3	60
3	Green hydrotropic extraction technology for delignification of sugarcane bagasse by using alkybenzene sulfonates as hydrotropes. Chemical Engineering Science, 2014, 115, 157-166.	1.9	50
4	Recent developments in investigating reaction chemistry and transport effects in biomass fast pyrolysis: A review. Renewable and Sustainable Energy Reviews, 2021, 150, 111454.	8.2	48
5	Investigating production of hydrocarbon rich bio-oil from grassy biomass using vacuum pyrolysis coupled with online deoxygenation of volatile products over metallic iron. Renewable Energy, 2019, 130, 305-318.	4.3	34
6	Vacuum pyrolysed biochar for soil amendment. Resource-efficient Technologies, 2016, 2, S177-S185.	0.1	28
7	Unravelling the catalytic influence of naturally occurring salts on biomass pyrolysis chemistry using glucose as a model compound: a combined experimental and DFT study. Catalysis Science and Technology, 2019, 9, 3504-3524.	2.1	26
8	Effect of Temperature and Transport on the Yield and Composition of Pyrolysis-Derived Bio-Oil from Glucose. Energy & Fuels, 2018, 32, 6008-6021.	2.5	25
9	Sorption Behavior of Thiourea-Grafted Polymeric Resin toward Silver Ion, Reduction to Silver Nanoparticles, and Their Antibacterial Properties. Industrial & Engineering Chemistry Research, 2013, 52, 6438-6445.	1.8	21
10	Pressmud as an Alternate Resource for Hydrocarbons and Chemicals by Thermal Pyrolysis. Industrial & Engineering Chemistry Research, 2014, 53, 1878-1889.	1.8	21
11	Carbon dioxide capture over amine functionalized styrene divinylbenzene copolymer: An experimental batch and continuous studies. Journal of Environmental Chemical Engineering, 2022, 10, 106910.	3.3	15
12	Process Intensification of Upgradation of Crude Oil and Vacuum Residue by Hydrodynamic Cavitation and Microwave Irradiation. Indian Chemical Engineer, 2015, 57, 256-281.	0.9	12
13	Energy Saving through Efficient BOG Prediction and Impact of Static Boil-off-Rate in Full Containment-Type LNG Storage Tank. Energies, 2020, 13, 5578.	1.6	12
14	gPROMS-driven modeling and simulation of fixed bed adsorption of heavy metals on a biosorbent: benchmarking and case study. Environmental Science and Pollution Research, 2023, 30, 71511-71526.	2.7	11
15	Support vector regression-based model for phenol adsorption in rotating packed bed adsorber. Environmental Science and Pollution Research, 2023, 30, 71637-71648.	2.7	11
16	Valorisation of biomass pellets to renewable fuel and chemicals using pyrolysis: characterisation of pyrolysis products and its application. Indian Chemical Engineer, 2020, 62, 78-91.	0.9	9
17	Selective Removal of Silver Impurity from Oxaliplatin by Sorption on Functionalized Polymer. Industrial & Engineering Chemistry Research, 2012, 51, 14209-14217.	1.8	8
18	Upgrading of Bio-oil from Biomass Pyrolysis: Current Status and Future Development. , 2020, , 317-353.		8

#	Article	IF	Citations
19	Developing convective–dispersive transport model to characterize fixed-bed adsorption of lead (II) over activated tea waste biosorbent. Biomass Conversion and Biorefinery, 2022, 12, 4291-4305.	2.9	7
20	Graphical approach for estimating and minimizing boil-off gas and compression energy consumption in LNG regasification terminals. Journal of Natural Gas Science and Engineering, 2022, 101, 104539.	2.1	7
21	Novel Machine Learning (ML) models for predicting the performance of multi-metal binding green adsorbent for the removal of Cd (II), Cu (II), Pb (II) and Zn (II) ions. Environmental Advances, 2022, 9, 100256.	2.2	7
22	Investigating the performance of functionalized and pristine graphene oxide impregnated Nexar™ nanocomposite membranes for PEM fuel cell. Chemical Engineering Journal Advances, 2022, 11, 100346.	2.4	3
23	Progress in biomass fast pyrolysis: An outlook of modern experimental approaches. , 2022, , 21-62.		2
24	Adsorptive removal of Pb(II) using nanostructured γ-alumina in a packed bed adsorber: Simulation using gPROMS. Environmental Science and Pollution Research, 2023, 30, 42629-42642.	2.7	2
25	State-of-the-art practices to upgrade biomass fast pyrolysis derived bio-oil. , 2022, , 115-147.		1
26	Predicting Conduction Heat Flux through Macrolayer in Nucleate Pool Boiling. Energies, 2021, 14, 3893.	1.6	0